

Edward Teller Science & Technology Education Symposium

Interpreting Radiocarbon Data With...

And soil cores

UCRL MI 140404

When volcanoes erupt, they can emit a lot of ash.

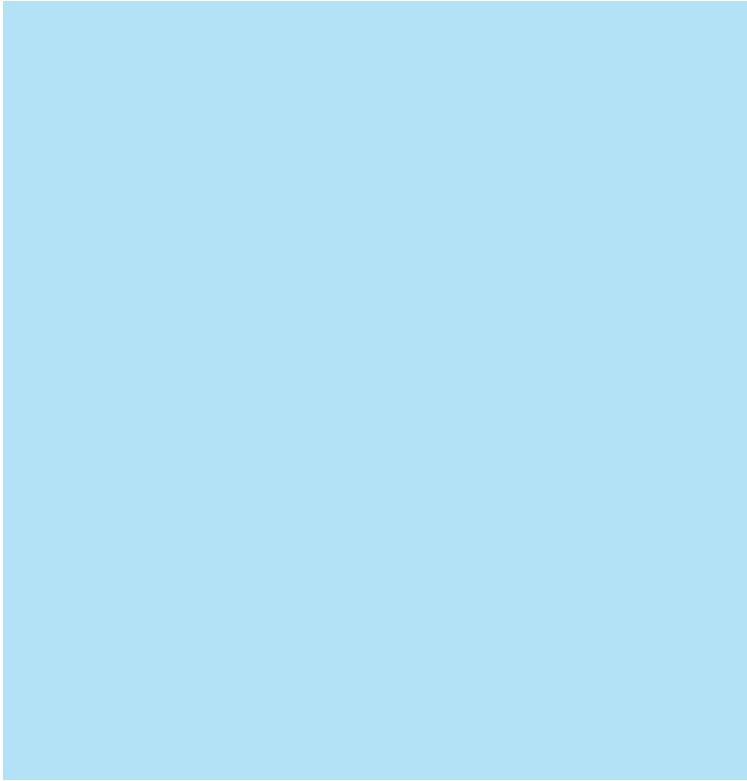
**Sometimes volcanic ash buries plants
that can be radiocarbon dated.**



Over time, multiple ash layers form. Some trapping organic matter that can be dated.

Iceland has many volcanoes and eruptions.

Mainly because it is located on two tectonic plates...Iceland is the land of FIRE and ICE.



Iceland is a good place to study volcanoes.

**Today we will
study the
Snæfellsjökull
volcano in
Western
Iceland**

By coring into the ground, the history of volcanic eruptions be explored.

Today's activity is based on Dr. Cook's volcano and soil core research in Ólafsvík, Iceland

Dr. Andrea Cook

Snæfellsjökull

Ólafsvík

Iceland